

APPENDIX H

Interface Strategy

Appendix H. Interface Strategy

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H.1 Data Groups

Each database is comprised of one or more data groups. A data group is logical grouping of data entities identified in Logical Data Model Document (LDMD) that maintains information to conduct a particular business process. The following table presents data groups, their definition and the related data entities.

DATA GROUP	DESCRIPTION	DATA ENTITIES
ACCREDITATION AND LICENSING INFORMATION	Accreditation and licensing action information provided by organizations that affect schools.	Data Entities:- ACCREDITING_AGENCY_ACTION LICENSING_AGENCY_ACTION
AID APPLICATION INFORMATION	Application information about a participant who has applied for any Title IV aid program. Includes asset benefit, income, demographic and school information, and aid application status.	Data Entities:- AID_APPLICATION AID_APPLICATION_OVERRIDE AID_APPLICATION_PARTICIPANT AID_APPLICATION_SCHOOL AID_APPLICATION_STATUS APPLICATION_ASSET_BENEFIT APPLICATION_PARTICIPANT_INCOME
AID ORGANIZATION INFORMATION	Information on commercial and government legal entities, other than schools, involved in the financial aid delivery process. Includes information on performance ratings and reports, structure, application information, contact information, and status of the aid organization.	Data Entities:- AID_ORGANIZATION

DATA GROUP	DESCRIPTION	DATA ENTITIES
		AID_ORGANIZATION_APPLICATION AID_ORGANIZATION_POC AID_ORGANIZATION_STRUCTURE LOW_INCOME_RANK ORGANIZATION_STATUS PERFORMANCE_RATING PERFORMANCE_REPORT_ENRL_DETAIL PERFORMANCE_REPORT_INCOME_DETAIL PERFORMANCE_REPORT_SCHOOL_DETAIL PERFORMANCE_REPORT_SUMMARY
AID PROGRAM INFORMATION	<p>Information about Title IV and other financial aid programs available to participants. This information is required to support the development and distribution of the aid. Includes information about a particular aid program, about the school and aid organization authorized to participate, aid program requirements, repayment plan interests rates, and Title IV aid allotment information.</p> <p>Data Entities:-</p>	AID_PROGRAM AID_PROGRAM_APPROVAL AID_PROGRAM_REQUIREMENT INTERNET_ADDRESS_NAME PROGRAM_ALLOTMENT PROGRAM_FUND_SOURCE REPAYMENT_INTEREST
AID STATUS INFORMATION	<p>Information related to the status of aid during the financial aid lifecycle. Includes information related to the status of aid at a specific point in time, information regarding the notification for change in status received by a participant, and the status of the change requested.</p>	

DATA GROUP	DESCRIPTION	DATA ENTITIES
	Data Entities:-	AID_CHANGE_REQUEST_STATUS AID_DISCHARGE AID_STATUS AID_STATUS_CHANGE_REQUEST AID_STATUS_NOTIFICATION
AUDIT, APPEAL, AND PROGRAM REVIEW INFORMATION	Information related to reviews, audits, default rates, and appeals of organizations and schools involved in the financial aid delivery process. Also includes information related to the results of an organization review such as deficiency, deficiency dispute, and sanctions.	Data Entities:- DEFICIENCY DEFICIENCY_DISPUTE ORGANIZATION_REVIEW ORGANIZATION_REVIEW_STATUS ORGANIZATION_REVIEW_STRUCTURE SANCTION
AWARD INFORMATION	Information related to program-level funds provided to schools. Includes actual award amounts, stop/start orders (Award hold) and exemptions (Waiver) to the standard process for the calculation of the awards.	Data Entities:- AWARD AWARD_HOLD AWARD_WAIVER
DIRECT LOAN INFORMATION	Information about a specific occurrence of a Direct Loan. Includes information related to a specific Direct Loan, about the organizations or schools administering the loan during its lifetime, requests	

DATA GROUP	DESCRIPTION	DATA ENTITIES
	submitted regarding a specific occurrence of aid, anticipated disbursements, and loan status.	
	Data Entities:-	AID AID_PRE_DISURSEMENT AID_SCHOOL_AID_ORG AID_SCHOOL_AID_ORG_REQST_STATUS AID_SCHOOL_AID_ORG_REQUEST
FFEL LOAN INFORMATION	Information about a specific occurrence of a FFEL loan. Includes information related to a specific FFEL loan, about the organizations or schools administering the loan during its lifetime, requests submitted regarding a specific occurrence of aid, anticipated disbursements, and loan status.	
	Data Entities:-	AID AID_PRE_DISURSEMENT AID_SCHOOL_AID_ORG AID_SCHOOL_AID_ORG_REQUEST LOW_INCOME_RANK
PERKINS LOAN INFORMATION	Information about a specific occurrence of a Perkins Loan. Includes information related to a specific Perkins Loan, about the organizations or schools administering the loan during its lifetime, requests submitted regarding a specific occurrence of aid, anticipated disbursements, and loan status.	
	Data Entities:-	AID AID_PRE_DISURSEMENT AID_SCHOOL_AID_ORG AID_SCHOOL_AID_ORG_REQST_STATUS AID_SCHOOL_AID_ORG_REQUEST

DATA GROUP	DESCRIPTION	DATA ENTITIES
PELL GRANT INFORMATION	Information about a specific occurrence of a Pell Grant. Includes information related to a specific Pell Grant, about the organizations or schools administering the grant during its lifetime, requests submitted regarding a specific occurrence of aid, anticipated disbursements, and status.	Data Entities:- AID AID_PRE_DISURSEMENT AID_SCHOOL_AID_ORG AID_SCHOOL_AID_ORG_REQST_STATUS AID_SCHOOL_AID_ORG_REQUEST
DIRECT LOAN PROMISSORY NOTE	Information about a specific promissory note for a Direct Loan.	Data Entities:- PROMISSORY_NOTE PROMISSORY_NOTE_PARTICIPANT
FFEL LOAN PROMISSORY NOTE	Information about a specific promissory note for an FFEL loan.	Data Entities:- PROMISSORY_NOTE PROMISSORY_NOTE_PARTICIPANT
PERKINS LOAN PROMISSORY NOTE	Information about a specific promissory note for a Perkins Loan.	Data Entities:- PROMISSORY_NOTE PROMISSORY_NOTE_PARTICIPANT
DIRECT LOAN CONSOLIDATION INFORMATION	Information related to Direct Loan consolidated loans, including which previous occurrences of aid are being consolidated into a current occurrence of aid.	

DATA GROUP	DESCRIPTION	DATA ENTITIES
	Data Entities:-	AID_CONSOLIDATION AID_CONSOLIDATION_STATUS
FFEL LOAN CONSOLIDATION INFORMATION	Information related to FFEL consolidated loans, including which previous occurrences of aid are being consolidated into a current occurrence of aid.	
	Data Entities:-	AID_CONSOLIDATION AID_CONSOLIDATION_STATUS
DIRECT LOAN REPAYMENT INFORMATION	Information related to the repayment of a Direct Loan. Includes information on the repayment plan, method, and the billing method.	
	Data Entities:-	AID_BILLING_METHOD AID_REPAYMENT_METHOD AID_REPAYMENT_PLAN
FFEL REPAYMENT INFORMATION	Information related to the repayment of a FFEL loan. Includes information on the repayment plan, method, and the billing method.	
	Data Entities:-	AID_BILLING_METHOD AID_REPAYMENT_METHOD AID_REPAYMENT_PLAN
PERKINS LOAN REPAYMENT INFORMATION	Information related to the repayment of a Perkins Loan. Includes information on the repayment plan, method, and the billing method.	
	Data Entities:-	AID_BILLING_METHOD

DATA GROUP	DESCRIPTION	DATA ENTITIES
		AID_REPAYMENT_METHOD AID_REPAYMENT_PLAN
DEFAULTED DIRECT LOAN INFORMATION	Information related to the collection of a defaulted Direct Loan.	Data Entities:- AID_COLLECTION AID_DUE_DILIGENCE_ACTIVITY
DEFAULTED FFEL LOAN INFORMATION	Information related to FFEL consolidated loans, including which previous occurrences of aid are being consolidated into a current occurrence of aid.	Data Entities:- AID_COLLECTION AID_DUE_DILIGENCE_ACTIVITY
DEFAULTED PERKINS LOAN INFORMATION	Information related to the collection of a defaulted Perkins Loan.	Data Entities:- AID_COLLECTION AID_DUE_DILIGENCE_ACTIVITY
CUSTOMER SERVICE INFORMATION	Information related to customer cases, communications, and the subsequent responses.	Data Entities:- CASE CASE_COMUNICATION COMMUNICATION COMPLETE_COMMUNICATION INCOMPLETE_COMMUNICATION

DATA GROUP	DESCRIPTION	DATA ENTITIES
		RESPONSE
LEDGER	Information related to individual types of ledgers that contain either special groups of accounts or all accounts, I.e., general ledger or subsidiary ledger. Maintains data required to produce a full set of accounting statements.	Data Entities:- JOURNAL_ENTRY JOURNAL_ENTRY_DETAIL LEDGER
PACKAGE INFORMATION	Information describing a collection of aid awarded by a specific school to a specific participant.	Data Entities:- PACKAGE
PARTICIPANT INFORMATION	Demographic information on participants involved in the financial aid process. Includes SSN, name, citizenship status, authorization, address, medical condition, and drug conviction information.	Data Entities:- DRUG_CONVICTION PARTICIPANT PARTICIPANT_ADDRESS PARTICIPANT_ADDRESS_USAGE PARTICIPANT_AUTHORIZATION PARTICIPANT_CITIZENSHIP PARTICIPANT_CONFIRMATION PARTICIPANT_ILLNESS PARTICIPANT_NAME SOCIAL_SECURITY_INFORMATION

DATA GROUP	DESCRIPTION	DATA ENTITIES
PARTICIPANT EMPLOYMENT INFORMATION	Employment information for a participant including the participant's administrative wage garnishments or salary offset, and tax refund offsets for a participant with a loan in default.	Data Entities:- GARNISHMENT_OFFSET PARTICIPANT_EMPLOYMENT TAX_REFUND_OFFSET
PARTICIPANT FINANCIAL INFORMATION	Participant specific financial information such as income, benefits, debts, credit rating, bankruptcy case information, and AGI, filing status and exemption information from IRS.	Data Entities:- PARTICIPANT_BANKRUPTCY_CASE PARTICIPANT_BENEFITS PARTICIPANT_CREDIT_RATING PARTICIPANT_DEBT PARTICIPANT_INCOME PARTICIPANT_INCOME_DETAILS WAIVER_REQUEST WAIVER_TAX_YEAR
PARTICIPANT FINANCIAL SIMULATION INFORMATION	Participant specific information used to construct and use a model to simulate financial aid receipt and repayment.	Data Entities:- FINANCIAL_SIMULATION_DETAIL FINANCIAL_SIMULATION_MODEL
RESOURCE	Information related to tangible items for chargeback purposes.	Data Entities:- RESOURCE RESOURCE_USAGE

DATA GROUP	DESCRIPTION	DATA ENTITIES
SCHOOL INFORMATION	Information about a postsecondary institution or vocational institution participating in the financial aid delivery process. Includes information related to the location listed on a PPA as approved by ED, attendance cost, educational programs offered, owner of the school, structure, surety, performance rating assigned, agreement between school and ED, and financial information (e.g., income statement, balance sheet).	<p>Data Entities:-</p> <p>APPROVED_LOCATION SCHOOL SCHOOL_ATTENDANCE_COST SCHOOL_DESIGNATION SCHOOL_EDUCATION_PROGRAM SCHOOL_ENROLLMENT SCHOOL_FINANCE SCHOOL_OWNER SCHOOL_PARTICIPTION_AGREEMENT SCHOOL_PERFORMANCE_RATING SCHOOL_POC SCHOOL_STATISTICAL_DATE SCHOOL_STRUCTURE SCHOOL_SURETY</p>
PAYMENT TRANSACTION	Information on financial transactions related to a particular occurrence of aid. Includes information related to the relationships that exists between two aid account transactions, a particular transaction, and the status at a specific point in time.	<p>Data Entities:-</p> <p>AID_ACCOUNT_TRANSACTION AID_TRANSACTION_STATUS AID_TRANSACTION_STRUCTURE</p>

H.2 Process Groups

The process groups are logical groupings of related processes identified in the ASDD. These groups are packages of functionality defined to meet the business needs of an organization. The following table presents process groups, their description, and the related processes.

PROCESS GROUP NAME	DESCRIPTION	PROCESSES
PARTICIPANT AID APPLICATION AND ELIGIBILITY	<p>: This building block manages the financial aid application process from receiving the application and eligibility through notification of participants and authorized parties of eligibility results. In the case of a renewal application, activity 4 is executed. The activities in this building block consist of:</p> <ol style="list-style-type: none">1) Managing the information on the financial aid application received from the participant. Information that is also maintained by this activity are the corrections to the application and the participant's authorization to endorse the financial aid application, multi-year promissory note(s), and the waiver to release information from other external entities.2) Requesting and receiving information from other external entities to confirm information contained in participant's financial aid application.3) Calculating estimated family contribution (EFC); determines eligibility; and notifies participant and other authorized parties (e.g., schools, state agencies) of eligibility determination.4) Initiating the automatic aid reapplication process by providing the prior year aid application information to the participant for confirmation and/or update. The participant, or the school on behalf of the participant, submits the renewal application, as well as corrections to renewal application information.	<p>Processes:-</p> <ul style="list-style-type: none">Assess Participant EligibilityManage ApplicationManage Renewal ApplicationObtain Eligibility Assessment Information
FINANCIAL SIMULATION	:This building block models various simulations of financial aid, including cost of attendance and student	

PROCESS GROUP NAME	DESCRIPTION	PROCESSES
	financial aid information for a given school, estimated salaries given, a specific career path, and state aid program information.	Processes:- Perform Financial Simulation
AID PACKAGE MANAGEMENT	<p>: This building block assists schools in creating aid packages by providing aid history and maintains the status of aid packages (accept/reject). The activities in this process consist of:</p> <ol style="list-style-type: none"> 1) Supporting packaging, including providing applicant aid history to schools to assist them in creating aid packages, and forwarding aid package information to the participant. 2) Maintaining information about whether the aid package was accepted/rejected by the participant. 	<p>Processes:- Manage Aid Package Manage Aid Package Status</p>
INVOICE AND SCHEDULED DISBURSEMENT	<p>: This building block executes the PARTICIPANT DISBURSEMENT REQUEST MANAGEMENT and AID ORIGATION AND DISBURSEMENT RECORD PROCESSING building blocks as well as authorizing invoices. The activities in this building block consist of:</p> <ol style="list-style-type: none"> 1) Receiving, storing, and distributing participant authorizations. Participant authorizations are necessary before any funds are disbursed to the school. 2) Managing receipt of disbursement records from schools and validating disbursement records. 3) Authorizing invoice and scheduled school disbursements based on valid incoming origination and/or disbursement records. For the invoice method, the disbursement will be authorized based on valid disbursement records (invoices) submitted by schools. For the scheduled method, a disbursement is authorized based on the scheduled disbursement date in the aid origination record. 	<p>Processes:- AID ORIGATION AND DISBURSEMENT RECORD PROCESSING PARTICIPANT DISBURSEMENT REQUEST MANAGEMENT Authorize Invoice and Schedule Disbursements</p>

PROCESS GROUP NAME	DESCRIPTION	PROCESSES
DRAWDOWN DISBURSEMENT	<p>: This building block manages the drawdown disbursement for school disbursements. The activities and building blocks in this building block consist of:</p> <ol style="list-style-type: none"> 1) Receiving, storing, and distributing participant authorizations. Participant authorizations are necessary before any funds are disbursed to the school. 2) Authorizing lump sum drawdown school disbursements for Campus Based, Pell and other aid programs. The drawdown school disbursement is the sum of the accumulated total of the student disbursement amounts provided on the individual origination records, grouped by date. 3) Managing receipt of disbursement records from schools and validating disbursement records. 4) Performing reconciliations of drawdown amounts disbursed to schools against disbursements, adjustments, and cancellation records received. 	<p>Processes:-</p> <ul style="list-style-type: none"> AID ORIGATION AND DISBURSEMENT RECORD PROCESSING PARTICIPANT DISBURSEMENT REQUEST MANAGEMENT Authorize Drawdown School Disbursements Reconcile Drawdown
INTEREST AND SPECIAL ALLOWANCE	<p>: This building block authorizes and processes interest and special allowance invoices from fund sources. The activities in this building block consist of:</p> <ol style="list-style-type: none"> 1) Authorizing and processing interest invoice claims from fund sources. 2) Authorizing and processing special allowance invoices from fund sources. 	<p>Processes:-</p> <ul style="list-style-type: none"> Process Interest Claim Process Special Allowance
ENROLLMENT STATUS	<p>: This building block tracks a student's enrollment status at a school. Participant status is requested from schools and forwarded to loan holders and guaranty agencies.</p>	<p>Processes:-</p> <ul style="list-style-type: none"> Maintain Enrollment Status Process Hope Scholarship

PROCESS GROUP NAME	DESCRIPTION	PROCESSES
CAMPUS BASED PROGRAM ALLOCATION	<p>: This building block allocates and processes funds for Campus-Based programs. The activities in this building block consist of:</p> <ol style="list-style-type: none"> 1. Managing the business information related to participating schools. This information includes, but is not limited to, addresses, school officials, financial aid officials, and other pertinent administrative data. 2. Receiving and recording the school participation information sent from schools to the Department of Education. The activity stores the data and distributes it to authorized parties. This activity also tracks the hold status of various schools. 3. Simulating, calculating, and allocating the authorization amount to be awarded to a school for each of the Campus-based programs, and generates an award notice to be sent to the school. 4. Reallocating unexpended funds to schools that have a shortfall in Campus-Based funds. 	<p>Processes:- MANAGE SCHOOL BUSINESS INFO</p> <p>Allocate Fund</p> <p>Process Fiscal Application to Participate Data</p> <p>Reallocate Fund</p>
PELL AUTHORIZATION MANAGEMENT	<p>: This building block manages Pell Grant authorization. The activities comprising this building block consist of:</p> <ol style="list-style-type: none"> 1) Determining the initial authorization amount and notifies each school participating in the Pell Grant program of their initial authorization amount. The authorization amount is the maximum aggregate amount that each institution is allowed to distribute in the form of Pell Grant payments. The initial authorization amount is the amount calculated at the beginning of the program year. 2) Monitoring and adjusting the authorization levels for each school to ensure schools have sufficient funds to issue Pell Grants. 	<p>Processes:- Maintain Authorization Fund</p> <p>Process Initial Authorization</p>
PERKINS LOAN	<p>: This building block reimburses schools for the amount of Perkins loans they have reported as being canceled. It</p>	

PROCESS GROUP NAME	DESCRIPTION	PROCESSES
CANCELLATION	also processes low income school information received from state education offices to generate a low income school directory.	Processes:- Manage Perkins Loan Cancellation
FFEL DISBURSEMENT INFORMATION MANAGEMENT	: This building block receives disbursement information and defaulted loan information from fund sources. This building block also distributes student-level disbursement information to schools.	Processes:- Manage Lender Disbursement Information
ADMINISTRATIVE ALLOWANCE	: This building block calculates and authorizes administrative cost allowance payments issued to schools for reimbursement for costs incurred by the school for the administration of the Pell Grant program.	Processes:- Process Administrative Cost Allowance
AEA AND REINSURANCE MANAGEMENT	: This building block confirms and authorizes payment of administrative expense allowances (AEAs) and reinsurance claims submitted by guaranty agencies.	Processes:- Confirm Administrative Expense Allowances Reinsurance Fee
STATE AGENCY GRANT MANAGEMENT	: This building block manages SSIG program funding. The activities comprising this building block consist of: 1) Receiving and processing state applications for the Federal contributions program. 2) Managing information about the federal State Student Incentive Grant (SSIG) contributions to a given state. The SSIG contribution is allotted based on several criteria. 3) Reconciling the disbursement roster sent by schools to the state with the disbursements made to students.	Processes:- Manage State SSIG Application Manage State SSIG Authorization Reconcile State Sponsored Instructional Grant Expenditure
REPAYMENT	: This building block provides counseling to a student about debt and accumulated indebtedness.	

PROCESS GROUP NAME	DESCRIPTION	PROCESSES
COUNSELING		Processes:- Manage Repayment Counseling
REPAYMENT OPTIONS MANAGEMENT	: This building block notifies the borrower of the different options available to repay loan(s) and allows the borrower to select a repayment plan. A borrower can pay any part of the outstanding balance in a lump sum payment and the remaining balance in regular installments, or make regular installments on the entire outstanding balance.	Processes:- Select Repayment Option
LOAN REPAYMENT MANAGEMENT	: This building block manages repayment of Direct Loans, and provides some support for FFELP loan status changes. The activities in this building block consist of: <ol style="list-style-type: none"> 1) Processing deferments, forbearances, discharges, cancellations and loan transfers of Direct Loans. In addition, this activity monitors repayment history to update loan status to default, and based on status updates, converts loans to repayment status. This activity also supports deferment, discharge, forbearance and cancellation of Federal Family Educational Loan Program (FFELP) loans by providing the participant with appropriate information. 2) Processing repayment information on all loans and refunds participants in case of overpayment of Direct Loans. 3) Handling requests for bills/statements/coupon books and billing date changes. 	Processes:- Manage Aid Status Process Billing Information Process Loan Payment
LOAN CONSOLIDATION	: This building block manages the loan consolidation process. The activities in this building block consist of: <ol style="list-style-type: none"> 1) Processing loan consolidation requests from a participant or by the loan holder on behalf of the participant. A loan consolidation closes out separate smaller loans and creates a new larger loan equal to the sum of all previous separate loans. 2) Managing the flow of information necessary to consolidate a participant's separate loans. This information would include available consolidation agents, consolidation agent decisions, previous loan information and loan payoff information. 	

PROCESS GROUP NAME	DESCRIPTION	PROCESSES
	<ul style="list-style-type: none"> 3) Verification of a participant's previous loans for the purpose of loan consolidation. Previous loans are verified usually with schools, lenders or other loan holders and then a fund source payment authorization is issued. This activity verifies a participant's previous loans for the purpose of loan consolidation. 4) Producing the origination records for a Consolidated Direct Loan. 	<p>Processes:-</p> <ul style="list-style-type: none"> Certify Loan Information Manage Consolidation Loan Information Origination Consolidated Direct Loan Process Consolidation Request
PARTICIPANT TRACKING	: This building block provides the Department of Education with a means to maintain delinquent accounts through credit bureau reporting and skip tracing. The credit bureau reporting functionality selects delinquent accounts and reports those accounts to the appropriate credit bureau on a monthly basis. The system also maintains current demographic information through the generation of skip trace requests on a periodic basis. Requests are also accepted from external sources, such as guaranty agencies, schools and lenders. Updated information is retrieved from state and federal agencies, including the United States Postal Service and the Internal Revenue Service.	<p>Processes:-</p> <ul style="list-style-type: none"> Track Participant
DEFAULTED LOAN MANAGEMENT	<p>: This building block manages defaulted loans assigned to ED including assigning collection agencies, wage garnishment, and litigation assignment. The activities in this building block consist of:</p> <ul style="list-style-type: none"> 1) Monitoring (at specific periods) defaulted loans and assigning them to ED and/or collection agencies as appropriate. 2) Providing the Department of Education with a means to manage control of delinquent accounts. Accounts meeting collection criteria are selected and then transferred to the appropriate regional Collection Agency. 3) Updated addresses, account snapshots and other information is transferred periodically between this system and Collection Agencies to keep updated records. Accounts can also be adjusted and/or recalled by Education. 4) Managing all transactions related to identifying defaulted loans, billing defaulted borrowers and processing repayments received from defaulted borrowers for those loans assigned to ED. 5) Enabling the Department of Education to identify defaulted participants eligible for wage garnishment, and 	

PROCESS GROUP NAME	DESCRIPTION	PROCESSES
	<p>to take action on those accounts. Wages may be garnished through private sector employers. The system also tracks the borrower's employment status, garnished wage status changes, and movement to new employers.</p> <p>6) Enabling the Department of Education to identify defaulted participants eligible for fund offset, and to take action on those accounts. If a borrower is certified to the Treasury or state agency and is otherwise entitled to a Federal or state payment, including an income tax refund, the individual's amount due is offset up to a certified amount. This offset amount is then credited to the participant's account.</p> <p>7) Handling any litigation action on defaulted individuals.</p>	<p>Processes</p> <p>Assign Collection Agency</p> <p>Assign Defaulted Loan</p> <p>Manage Debt Collection</p> <p>Manage Fund Offset</p> <p>Manage Wage Garnishment</p> <p>Process Litigation Assignment</p>
FINANCIAL SERVICES	<p>: This building block manages SFAP financial services including subsidiary ledgers, accounts payable, accounts receivable, and funds control. The activities in this building block consist of:</p> <p>1) Maintaining accounts receivable records, such as loan repayment transactions and interest payments.</p> <p>2) Maintaining accounts payable records, school drawdown information, and sends school drawdown information to ED/CFO.</p> <p>3) Performing financial control activities such as school disbursement ledgers and collections, and maintains audit trail information of all financial transactions sent to and received from ED/CFO, ED/Budget, and AFMS.</p> <p>4) Receiving funding information from ED/CFO and manages fund appropriations, allotment, and balance for each aid program.</p>	<p>Processes:-</p> <p>Maintain Account Payable</p> <p>Maintain Account Receivable</p> <p>Maintain Financial Control</p> <p>Manage Fund</p>

PROCESS GROUP NAME	DESCRIPTION	PROCESSES
MANAGE SCHOOL BUSINESS INFORMATION	: This building block manages the business information related to participating schools. This information includes, but is not limited to, addresses, school officials, financial aid officials, and other pertinent administrative data.	Processes:- Manage School Business Information
AID ORGANIZATION MANAGEMENT	: This building block manages audit and review data for aid organizations such as guaranty agencies, lenders, servicers, and secondary markets. The activities in this building block consist of: <ol style="list-style-type: none"> 1) Managing the distribution and participation data coming in from guaranty agencies, lenders, servicers and secondary markets and distributes it to oversight agencies, Guarantor and Lender Oversight Services. This data includes program eligibility notices. 2) Distributing audit and review data between the proper aid organization and the Department of Education's 3) Guarantor and Lender Oversight Service (GLOS). GLOS uses data provided by the various aid organizations and to perform audits and reviews. 4) Managing the data supporting the appeal process for guaranty agencies, lenders, servicers and secondary markets. Appeals take two forms: appeals of audits and program reviews performed by the Department of Education's Guarantor and Lender Oversight Service (GLOS) appeals of audits performed by Independent Public Accountants (IPAs); and appeals of calculated default rates. 	Processes:- Manage Aid Organization Appeal Manage Aid Organization Audit Review Information Manage Aid Organization Performance Manage Aid Organization Program Financial Oversight Information
AID ORGANIZATION DEFAULT RATE MANAGEMENT	: This building block manages aid organization, other than schools, default rate calculations, as well as default rate appeals. The activities in this building block consist of:	

PROCESS GROUP NAME	DESCRIPTION	PROCESSES
	<ol style="list-style-type: none"> 1) Managing the calculation of aid organization default rates and the movement of aid organization default rate information to and from the Department of Education's Guarantor and Lender Oversight Service (GLOS). 2) Managing the data supporting the appeal process for guaranty agencies, lenders, servicers and secondary markets. Appeals take two forms: appeals of audits and program reviews performed by the Department of Education's Guarantor and Lender Oversight Service (GLOS) appeals of audits performed by Independent Public Accountants (IPAs); and appeals of calculated default rates. 	<p>Processes:- Manage Aid Organization Appeal Manage Aid Organization Default Rate</p>
MANAGE COHORT DEFAULT RATES	<p>: This building block manages school default rate calculations, as well as default rate appeals. The activities in this building block consist of:</p> <ol style="list-style-type: none"> 1) Managing data required for the calculation of cohort default rates. This activity distributes both aid history inputs and the default rate outputs to the respective school. 2) Managing the appeal by schools of the calculated default rates. Schools may appeal their default rates based on erroneous data, improper servicing or mitigating circumstances. The Department of Education's Institutional Participant Oversight Service (IPOS) evaluates these appeals and the Guaranty Agency's response, when applicable, and informs the schools of the appeal status. Any required changes to the aid history are recorded. 	<p>Processes:- Manage Cohort Default Rate Manage Cohort Default Rate Appeal</p>
SCHOOL ELIGIBILITY MANAGEMENT	<p>:This building block maintains school accreditation and state licensing information, as well as school audit information and school reviews. It notifies schools of the determination of their eligibility to participate in Title IV programs.</p>	<p>Processes:- Manage School Eligibility</p>
SCHOOL FINANCIAL OVERSIGHT	<p>: This building block manages school business information, ownership data, audit results, and appeal information. The activities in this building block consist of:</p> <ol style="list-style-type: none"> 1) Managing the business information related to participating schools. This information includes, but is not 	

PROCESS GROUP NAME	DESCRIPTION	PROCESSES
	<p>limited to, addresses, school officials, financial aid officials, and other pertinent administrative data.</p> <ol style="list-style-type: none"> 2) Managing the information related to a school's change of ownership. The Department of Education (ED), through the Institutional Participation Oversight Service (IPOS) must recertify the new ownership for participation in ED programs. This entails resubmitting certification data concerning the new owners. 3) Coordinating the distribution of program review and audit data. The input comes from the various schools and from audit data. The audit results are gathered from the Department of Education's Institutional Participation Oversight Service (IPOS) and distributed to the various organizations. 4) Coordinating the distribution of information related to all non-default rate appeals from schools. This would mostly include appeals of audit and review data. Most appeals are sent to the Department of Education's Institutional Participation Oversight Service (IPOS). The school is sent data on the status of its appeals. 5) Participation Oversight Service (IPOS) must recertify the new ownership for participation in ED programs. 6) This entails resubmitting certification data concerning the new owners. 	<p>Processes:- MANAGE SCHOOL BUSINESS INFO</p> <p>Manage School Appeal</p> <p>Manage School Audit Information</p> <p>Manage School Ownership</p>
SCHOOL WAIVER TRACKING	: This building block tracks waivers to the Campus Based Program requirements for underutilization and community service associated with participation.	<p>Processes:- Track Waiver</p>
SCHOOL PERFORMANCE MANAGEMENT	: This building block manages school sanctions, closures, and performance. The activities in this building block consist of: <ol style="list-style-type: none"> 1) Managing the information provided by the Department of Education's (ED's) Institutional Program Oversight Service (IPOS) to issue sanctions against schools that have improperly managed financial aid programs on behalf of ED. 2) Receiving notification from various sources about a school closure. After verifying school closures with the appropriate organization (state), EASI/ED sends a stop payment order to the ED/CFO. This activity also informs borrowers of their potential eligibility for a closed school loan discharge, as well as any potential 	

PROCESS GROUP NAME	DESCRIPTION	PROCESSES
	<p>refunds (tuition and fees) due to the participant as a result of school closure.</p> <p>3) Directing the execution of a participant's request for information pertaining to participating schools' performance.</p>	<p>Processes:-</p> <ul style="list-style-type: none"> Manage School Closure Manage School Performance Manage School Sanction
AID PROGRAM INFORMATION MANAGEMENT	<p>: This building block receives and maintains general information regarding the Department of Education's financial aid programs, such as: description, general requirements, documentation, regulations, and program qualifications.</p>	<p>Processes:-</p> <ul style="list-style-type: none"> Manage Program Information
CUSTOMER SERVICE MANAGEMENT	<p>: This building block handles correspondence and phone calls from participants and aid organizations. The activities that comprise this building block consist of:</p> <ol style="list-style-type: none"> 1) Handling incoming/outgoing calls from/to participants, schools, guaranty agencies, lenders, and collection agencies. 2) Handling incoming feedback for loan origination and loan services when a loan is mishandled or lost; for school and Direct Loan servicer related to both draft and official cohort default rates; and for miscellaneous participant feedback. 3) Handling incoming/outgoing correspondence from/to participants, schools, guaranty agencies, lenders, and collection agencies. 	<p>Processes:-</p> <ul style="list-style-type: none"> Process Correspondence Process Feedback Process Phone Call

H.3 Synchronization technique selection process

There are several factors that govern the selection of a synchronization technique. The factors considered for recommending a synchronization technique are discussed in this section. The following factors play an important role in deciding the type of synchronization technique should be implemented:

- Access Requirements
- Timeliness Requirements
- Processing Requirements

H.3.1 Access Requirements

It is a requirement that defines *what* type of data access is required by a process. There are four different access types:

- **Read Access:** When the process only reads a set of data to perform its action.
- **Create:** When a process creates data.
- **Update:** When a process updates existing data.
- **Delete:** When a process removes data

The access level between the process and data for EASI/ED is presented in section “H.4 Recommendations”. These access levels were determined by analyzing the CRUD (Create Read Update and Delete) information gathered in previous phases “Requirements Phase” and “Integration Support Phase” of the project EASI/ED.

H.3.2 Timeliness Requirement

Timeliness requirements define *when* a process must access a particular set of data to perform its task. There are two types of timeliness requirements:

- **Real Time:** When a set of data is needed by a process immediately as the data changes. A process should be able to access current and most recent information without any wait. A real time update of information could either be implemented using synchronous or asynchronous mode using functional or data synchronization depending upon its processing requirements.
- **Non Real Time:** When a set of data is needed by a process, but not until the process is ready to execute. For example a process “Aid Organization Default Rate Management” may need the latest “Aid Program Information” but needs it only once a year since default rate

management process is executed annually. There are many Non-Real Time scales. However, for most practical purposes, the ones listed below are the most prevalent and the ones used for this analysis.

- a) NLT –1: No later than 1 day old
- b) NLT – 30: No later than 30 days
- c) NLT – Q: No later than 3 months old
- d) NLT – Y: No Later than a year old
- e) AO – 1: As of 1 day
- f) AO – D: As of a particular date
- g) AO – Y: As of a fiscal year.

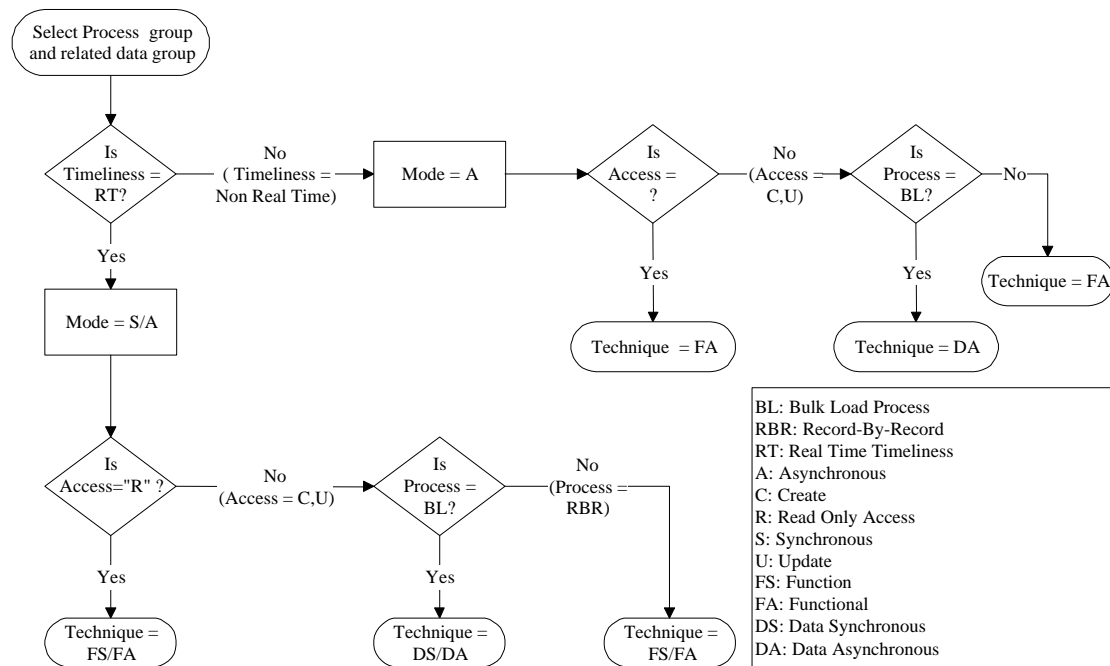
A non real time access of data by a process should be synchronized in Asynchronous mode implemented using functional or data technique depending upon the processing requirements.

H.3.3 Processing Requirements

This factor defines *how* a process should access a particular set of data to perform its task. It is a data specific activity that helps decide the type of synchronization. There are two main types of data processing methods:

- **Record-By-Record Process (RBR):** This method is used when data is updated, inserted, or deleted on record by record level. It is important factor in deciding on a synchronization technique since record by record processing is generally application controlled, and the interface between target and source data stores is via applications on either ends. The record –by-record processing needs of the system should be implemented using function synchronization, because it is generally activated as a result of a data update event that could cause changes only to specific record(s).
- **Bulk Load process (BL):** This method is used to transfer or exchange multiple records of the same data type to update, insert or delete information in data stores. Since this is a one time activity within a defined interval, it is mostly performed directly between target and source databases. There is no or minimal application control if any. So a data synchronization should be implemented using either synchronous or asynchronous mode depending upon the timeliness requirements.

All the factors discussed above are considered in deciding upon the synchronization technique that is suitable for a given process group/data group(s) relationship. The following diagram presents the decision process used to arrive at the correct synchronization technique.



The diagram illustrates the chronological steps involved in recommending a synchronization technique for a relationship between a specific process group and data group. These steps are:

1. Select a process group and a related data group for analysis.
2. Verify the timeliness requirement
 - a) If “Real Time”, then that process requires either a synchronous or an asynchronous mode of data updates. Proceed to Step 3
 - b) If “Non Real Time”, then asynchronous mode is appropriate. Proceed to Step 5
3. Verify Access Level

- a) If “Read”, then the synchronous technique should be either FS or FA.
- b) If “Not Read”, then proceed to Step 4

4. Verify Process Method

- a) If “Bulk Load”, then the synchronous technique should be either DA or DS. Stop here
- b) If “Record by Record”, then the synchronous technique should be either FA or FS. Stop here

5. Verify Access Level

- a) If “Read” , then the synchronous technique should be FA. Stop here.
- b) If “Not Read”, then proceed to Step 6.

6. Verify Process Method

- a) If it Bulk Load process then the synchronous technique should be DA. Stop here.
- b) If it is record by record processing the synchronous technique should be FA. Stop here.

The result of applying the above mentioned process is presented in the following section.

H.4 Recommendations

Data Groups	Access Requirements	Timeliness Requirements	Processing Requirements	Synchronization Techniques
Process Group: Participant Aid Application and Eligibility				
AID APPLICATION INFORMATION	C	NLT-1	RBR	FA
AID PROGRAM INFORMATION	R	AO-Y	RBR	FA
DIRECT LOAN INFORMATION	R	NLT-1	RBR	FA
FFEL LOAN INFORMATION	R	NLT-1	RBR	FA
PERKINS LOAN INFORMATION	R	NLT-1	RBR	FA
DIRECT LOAN PROMISSORY NOTE	C	NLT-1	BL	DA
FFEL PROMISSORY NOTE	C	NLT-1	BL	DA
PERKINS LOAN PROMISSORY NOTE	C	NLT-1	BL	DA
PARTICIPANT INFORMATION	CRU	NLT-1	BL	FA
PARTICIPANT FINANCIAL INFORMATION	CRU	NLT-1	BL	FA
Process Group: Financial Simulation				
AID ORGANIZATION INFORMATION	C	NLT-Y	BL	DA
PARTICIPANT INFORMATION	CRU	RT	BL	DA/DS
PARTICIPANT EMPLOYMENT INFORMATION	C	RT	BL	DA/DS
PARTICIPANT FINANCIAL SIMULATION INFORMATION	C	RT	BL	DA/DS
SCHOOL INFORMATION	RU	NLT-Y	BL	DA
AID ORGANIZATION INFORMATION	C	NLT-Y	BL	DA
PARTICIPANT INFORMATION	CRU	RT	BL	DA/DS
PARTICIPANT EMPLOYMENT INFORMATION	C	RT	BL	DA/DS
PARTICIPANT FINANCIAL SIMULATION INFORMATION	C	RT	BL	DA/DS
SCHOOL INFORMATION	RU	NLT-Y	BL	DA

Data Groups	Access Requirements	Timeliness Requirements	Processing Requirements	Synchronization Techniques
Process Group: Aid Package Management				
AID STATUS INFORMATION	C	RT	BL	DA/DS
DIRECT LOAN INFORMATION	U	NLT-1	BL	DA
FFEL LOAN INFORMATION	U	NLT-1	BL	DA
PERKINS LOAN INFORMATION	U	NLT-1	BL	DA
PELL GRANT INFORMATION	U	NLT-1	BL	DA
PACKAGE INFORMATION	C	NLT-1	BL	DA
PARTICIPANT INFORMATION	CR	NLT-1	BL	DA
SCHOOL INFORMATION	RU	RT	BL	DA/DS
Process Group: Invoice and Scheduled Disbursement				
AID ORGANIZATION INFORMATION	R	RT	RBR	FA/FS
AID PROGRAM INFORMATION	RU	AO-Y	BL	DA
AID STATUS INFORMATION	R	NLT-1	RBR	FA
AWARD INFORMATION	U	RT	BL	DA/DS
DIRECT LOAN INFORMATION	CR	NLT-1	BL	DA
PELL GRANT INFORMATION	CR	NLT-1	BL	DA
DIRECT LOAN PROMISSORY NOTE	U	NLT-1	BL	DA
PARTICIPANT INFORMATION	CR	NLT-1	BL	DA
SCHOOL INFORMATION	RU	NLT-1	BL	DA
Process Group: Drawdown Disbursement				
AID APPLICATION INFORMATION	R	NLT-1	RBR	FA
AID ORGANIZATION INFORMATION	R	RT	RBR	FA/FS
AID PROGRAM INFORMATION	RU	AO-Y	BL	DA
AID STATUS INFORMATION	R	RT	RBR	FA/FS
AWARD INFORMATION	U	RT	BL	DA/DS
DIRECT LOAN INFORMATION	CR	NLT-1	BL	DA
PELL GRANT INFORMATION	CR	NLT-1	BL	DA
DIRECT LOAN PROMISSORY NOTE	U	NLT-1	BL	DA

Data Groups	Access Requirements	Timeliness Requirements	Processing Requirements	Synchronization Techniques
PARTICIPANT INFORMATION	CR	NLT-1	BL	DA
SCHOOL INFORMATION	R	NLT-1	BL	DA
Process Group: Interest and Special Allowances				
AID ORGANIZATION INFORMATION	R	AO-Q	RBR	FA
AID PROGRAM INFORMATION	R	AO-Q	RBR	FA
AWARD INFORMATION	C	AO-Q	RBR	FA
FFEL LOAN INFORMATION	R	AO-Q	RBR	FA
PAYMENT TRANSACTION	R	RT	RBR	FA/FS
Process Group: Enrollment Status				
PARTICIPANT INFORMATION	RU	NLT-Q	BL	DA
SCHOOL INFORMATION	CR	NLT-Q	BL	DA
Process Group: Campus Based Program Allocation				
AWARD INFORMATION	C	RT	RBR	FA/FS
SCHOOL INFORMATION	CR	RT	RBR	FA/FS
Process Group: Pell Authorization Management				
AID PROGRAM INFORMATION	U	AO-D	BL	DA
AWARD INFORMATION	C	RT	BL	DA/DS
SCHOOL INFORMATION	R	RT		DA/DS
Process Group: Perkins Loan Cancellation				
AID PROGRAM INFORMATION	U	AO-D	BL	DA
SCHOOL INFORMATION	U	RT	BL	DA/DS
PAYMENT TRANSACTION	U	RT	BL	DA/DS
Process Group: FFEL Disbursement Information Management				
AID ORGANIZATION INFORMATION	U	NLT-1	BL	DA/DS

Data Groups	Access Requirements	Timeliness Requirements	Processing Requirements	Synchronization Techniques
AID PROGRAM INFORMATION	U	AO-Y	BL	DA
AID STATUS INFORMATION	C	RT	BL	DA/DS
FFEL LOAN INFORMATION	R	NLT-1	RBR	DA
PARTICIPANT INFORMATION	R	RT	RBR	FA/FS
SCHOOL INFORMATION	RU	RT	BL	DA/DS
Process Group: Administrative Allowance Processing				
AID ORGANIZATION INFORMATION	R	NLT-Q	RBR	FA
AID PROGRAM INFORMATION	R	AO-Y	RBR	FA
AWARD INFORMATION	C	NLT-Q	BL	DA
PELL GRANT INFORMATION	RU	NLT-Q	BL	DA
SCHOOL INFORMATION	R	RT	RBR	FA/FS
AEA and Reinsurance Management				
AID ORGANIZATION INFORMATION	R	AO-Q	RBR	FA
AID PROGRAM INFORMATION	R	AO-Y	RBR	FA
AWARD INFORMATION	U	AO-Q	RBR	FA
DIRECT LOAN INFORMATION	R	AO-Q	RBR	FA
FFEL LOAN INFORMATION	R	AO-Q	RBR	FA
PERKINS LOAN INFORMATION	R	AO-Q	RBR	FA
PELL GRANT INFORMATION	R	AO-Q	RBR	FA
Process Group: LEAP Management				
AID ORGANIZATION INFORMATION	CRU	AO-Y	RBR	FA
AID PROGRAM INFORMATION	CRU	AO-Y	RBR	FA
AWARD INFORMATION	CU	AO-Y	RBR	FA
Process Group: Repayment Counseling				
AID ORGANIZATION INFORMATION	R	RT	RBR	FA/FS
AID PROGRAM INFORMATION	R	AO-Y	RBR	FA
AID STATUS INFORMATION	U	RT	RBR	FA/FS

Data Groups	Access Requirements	Timeliness Requirements	Processing Requirements	Synchronization Techniques
DIRECT LOAN INFORMATION	RU	RT	RBR	FA/FS
FFEL LOAN INFORMATION	RU	RT	RBR	FA/FS
PERKINS LOAN INFORMATION	RU	RT	RBR	FA/FS
PELL GRANT INFORMATION	RU	RT	RBR	FA/FS
DIRECT LOAN REPAYMENT INFORMATION	R	RT	RBR	FA/FS
FFEL LOAN REPAYMENT INFORMATION	R	RT	RBR	FA/FS
PERKINS LOAN REPAYMENT INFORMATION	R	RT	RBR	FA/FS
PARTICIPANT INFORMATION	R	RT	RBR	FA/FS
SCHOOL INFORMATION	U	RT	RBR	FA/FS
Process Group: Repayment Options Management				
AID ORGANIZATION INFORMATION	R	RT	RBR	FA/FS
AID PROGRAM INFORMATION	R	AO-Y	RBR	FA
AID STATUS INFORMATION	R	RT	RBR	FA/FS
DIRECT LOAN INFORMATION	R	RT	RBR	FA/FS
FFEL LOAN INFORMATION	R	RT	RBR	FA/FS
PERKINS LOAN INFORMATION	R	RT	RBR	FA/FS
DIRECT LOAN REPAYMENT INFORMATION	CR	RT	RBR	FA/FS
FFEL LOAN REPAYMENT INFORMATION	CR	RT	RBR	FA/FS
PERKINS LOAN REPAYMENT INFORMATION	CR	RT	RBR	FA/FS
PARTICIPANT INFORMATION	RU	NLT-1	BL	DA
SCHOOL INFORMATION	R	NLT-1	RBR	FS
Process Group: Loan Repayment Management				
AID PROGRAM INFORMATION	RU	AO-Y	BL	DA
AID STATUS INFORMATION	CR	NLT-30	BL	DA/DS
DIRECT LOAN INFORMATION	CRU	RT	RBR	FA/FS
DIRECT LOAN REPAYMENT INFORMATION	RU	NLT-1	RBR	FS
PARTICIPANT INFORMATION	CR	RT	RBR	FA/FS
PARTICIPANT EMPLOYMENT INFORMATION	R	RT		FA/FS

Data Groups	Access Requirements	Timeliness Requirements	Processing Requirements	Synchronization Techniques
PARTICIPANT FINANCIAL INFORMATION	CR	RT	BL	DA/DS
SCHOOL INFORMATION	U	RT	BL	DA/DS
Process Group: Loan Consolidation Management				
AID APPLICATION INFORMATION	C	RT	BL	DA/DS
AID ORGANIZATION INFORMATION	R	RT	RBR	FA/FS
AID STATUS INFORMATION	CU	RT	RBR	FA/FS
DIRECT LOAN INFORMATION	CRU	NLT-1	BL	DA
FFEL LOAN INFORMATION	CRU	AO-1	BL	DA
DIRECT LOAN PROMISSORY NOTE	C	RT	BL	DA/DS
FFEL PROMISSORY NOTE	C	AO-1	BL	DA
DIRECT LOAN CONSOLIDATION INFORMATION	CR	RT	RBR	FA/FS
DIRECT LOAN REPAYMENT INFORMATION	C	RT	RBR	FA/FS
PARTICIPANT INFORMATION	CRU	RT	RBR	FA/FS
PAYMENT TRANSACTION	R	RT	RBR	FA/FS
Process Group: Participant Tracking				
PARTICIPANT INFORMATION	CR	RT	RBR	FA/FS
Process Group: Defaulted Loan Management				
AID ORGANIZATION INFORMATION	RU	RT	BL	DA/DS
AID PROGRAM INFORMATION	R	AO-Y	RBR	FA
AID STATUS INFORMATION	CRU	RT	BL	DA/DS
Process Group: Financial Services				
DIRECT LOAN INFORMATION	R	NLT-1	RBR	FA
PERKINS LOAN INFORMATION	R	NLT-1	RBR	FA
PELL GRANT INFORMATION	R	NLT-1	RBR	FA
LEDGER	C	RT	BL	DA/DS
PAYMENT TRANSACTION	C	RT	BL	DA/DS
Process Group: Manage School Business				

Data Groups	Access Requirements	Timeliness Requirements	Processing Requirements	Synchronization Techniques
Information				
SCHOOL INFORMATION	C	RT	RBR	FA/FS
Process Group: Aid Organization Management				
AID ORGANIZATION INFORMATION	CRU	RT	RBR	FA/FS
AID PROGRAM INFORMATION	R	AO-Y	RBR	FA
AID STATUS INFORMATION	U	AO-Y	BL	DA
AUDIT, APPEAL, AND PROGRAM REVIEW INFORMATION	CU	RT	BL	DA/DS
Process Group: Aid Organization Default Rate Management				
AID ORGANIZATION INFORMATION	CU	AO-Y	BL	DA
AID PROGRAM INFORMATION	R	AO-Y		FA
AID STATUS INFORMATION	RU	AO-Y	BL	DA
AUDIT, APPEAL, AND PROGRAM REVIEW INFORMATION	RU	AO-Y	BL	DA
DIRECT LOAN INFORMATION	R	AO-Y	RBR	FA
FFEL LOAN INFORMATION	R	AO-Y	RBR	FA
PERKINS LOAN INFORMATION	R	AO-Y	RBR	FA
Process Group: Cohort Default Rate Management				
SCHOOL INFORMATION	CRU	RT	BL	DA/DS
Process Group: School Eligibility Management				
ACREDITATION AND LICENSING INFORMATION	C	RT	BL	DA/DS
AWARD INFORMATION	CU	NLT-1	BL	DA
PARTICIPANT INFORMATION	R	NLT-1	BL	DA
SCHOOL INFORMATION	CRU	RT	BL	DA/DS

Data Groups	Access Requirements	Timeliness Requirements	Processing Requirements	Synchronization Techniques
Process Group: School Financial Oversight				
AUDIT, APEAL, AND PROGRAM REVIEW INFORM.	CU	RT	BL	DA/DS
AWARD INFORMATION	U	NLT-1	BL	DA
SCHOOL INFORMATION	CU	RT	BL	DA/DS
Process Group: School Waiver Tracking				
AID PROGRAM INFORMATION	CU	AO-Y	RBR	FA
AWARD INFORMATION	CU	RT	RBR	FA/FS
SCHOOL INFORMATION	U	RT	BL	DA/DS
Process Group: School Performance Management				
AWARD INFORMATION	U	RT	BL	DA/DS
SCHOOL INFORMATION	CU	RT	BL	DA/DS
Process Group: Aid Program Information Management				
AID PROGRAM INFORMATION	C	RT	RBR	FA/FS
Process Group: Customer Service Management				
AID APPLICATION INFORMATION	U	RT	RBR	FA/FS
AID ORGANIZATION INFORMATION	U	RT	RBR	FA/FS
AID PROGRAM INFORMATION	U	RT	RBR	FA/FS
AUDIT, APEAL, AND PROGRAM REVIEW INFORMATION	U	RT	RBR	FA/FS
SCHOOL INFORMATION	U	RT	RBR	FA/FS
DIRECT LOAN INFORMATION	U	RT	RBR	FA/FS
PERKINS LOAN INFORMATION	U	RT	RBR	FA/FS
PELL GRANT INFORMATION	U	RT	RBR	FA/FS
DIRECT LOAN PROMISSORY NOTE	U	RT	RBR	FA/FS

Data Groups	Access Requirements	Timeliness Requirements	Processing Requirements	Synchronization Techniques
PERKINS LOAN PROMISSORY NOTE	U	RT	RBR	FA/FS
CUSTOMER SERVICE INFORMATION	U	RT	RBR	FA/FS
LEDGER	U	RT	RBR	FA/FS
PACKAGE INFORMATION	U	RT	RBR	FA/FS
PARTICIPANT INFORMATION	U	RT	RBR	FA/FS
SCHOOL INFORMATION	U	RT	RBR	FA/FS
PAYMENT TRANSACTION	U	RT	RBR	FA/FS